

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (currently amended) A CAD/CAM software control method comprising:  
  
    ~~forming a two-dimensional view of~~generating a two-dimensional drawing from a three-dimensional computer defined ~~graphical model~~ of a real-world object;  
  
    based on the three-dimensional model, automatically generating descriptive information associated with a displayed component of the ~~two-dimensional view~~two-dimensional drawing;  
  
    forming a user interface for controlling the addition of the descriptive information to the ~~two-dimensional view~~two-dimensional drawing;  
  
    adding the descriptive information to the ~~two-dimensional view~~two-dimensional drawing responsive to interactive user input data entered at the user interface to select a first subset of the automatically generated descriptive information that is to be added to the ~~two-dimensional view~~two-dimensional drawing,  
  
    and wherein the descriptive information added to the ~~two-dimensional view~~two-dimensional drawing is configured for display in the ~~two-dimensional view~~two-dimensional drawing.  
  
2. (currently amended) The CAD/CAM software control method of claim 1 wherein the descriptive information is a ~~dimension~~ measurement or a constraint.  
  
3. (currently amended) The CAD/CAM software control method of claim 1 wherein the descriptive information is added to the ~~two-dimensional view~~two-dimensional drawing semi-automatically responsive to the expiration of a predetermined time-out period and in the absence of an intervening user action.

4. (previously amended) The CAD/CAM software control method of claim 3 wherein the intervening action comprises activation of a pause button.
5. (previously amended) The CAD/CAM software control method of claim 1 additionally comprising the step of modifying the descriptive information.
6. (currently amended) The CAD/CAM software control method of claim 1 further comprising tracking interactive user input data indicating that a second subset of the descriptive information is not to be added to the ~~two-dimensional view~~two-dimensional drawing and, during a subsequent generation of the ~~two-dimensional view~~two-dimensional drawing, automatically determining that the second subset of descriptive information should not appear in the generated two-dimensional view.
7. (currently amended) The CAD/CAM software control method of claim 1 additionally comprising the step of stopping the generation of descriptive information and forming an additional ~~two-dimensional view~~two-dimensional drawing.
8. (currently amended) The CAD/CAM software control method of claim 7 wherein a modification of the descriptive information is reproduced in a subsequently formed two-dimensional ~~view~~drawing.
9. (currently amended) The CAD/CAM software control method of claim 1 additionally comprising selecting between an automatic or semi-automatic mode of descriptive information generation, wherein selecting an automatic mode causes the software to branch and generate descriptive information without requiring the formation of a user interface for controlling the addition of a subsequent descriptive information item to the ~~two-dimensional view~~two-dimensional drawing and adds the descriptive information item to the ~~two-dimensional view~~two-dimensional drawing without requiring activation of a user interactive device.

10. (previously amended) The CAD/CAM software control method of claim 9 additionally comprising selecting between an automatic or semi-automatic mode of descriptive information generation, wherein the semi-automatic mode comprises a time-out period during which a user can activate a user interactive device causing the descriptive information generation process to be paused.
11. (previously amended) The CAD/CAM software control method of claim 10 additionally comprising the step of modifying descriptive information while the generation process is paused.
12. (previously amended) The CAD/CAM software control method of claim 10 additionally comprising the step of automatically generating additional descriptive information following modification of the descriptive information.
13. (currently amended) The CAD/CAM software control method of claim 1 additionally comprising the step of filtering particular descriptive information from the ~~two dimensional view~~two-dimensional drawing.
14. (currently amended) The CAD/CAM software control method of claim 1 additionally comprising the step of filtering particular two-dimensional ~~views~~drawings from being formed.
15. (currently amended) A computer system for controlling generation of descriptive information relating to a ~~two dimensional view~~two-dimensional drawing of a three dimensional computer defined model of a real-world object, the system comprising:  
a processor operatively interconnected to a memory, said memory comprising stored instructions to configure the processor to form the ~~two dimensional view~~two-dimensional drawing of the three dimensional model of the real-world object and to automatically generate descriptive information associated with the ~~two dimensional view~~two-dimensional drawing based on the three-dimensional model;

a user input device;

a display; and

a graphical user interface comprising user interactive devices wherein the system is responsive to activation of the user interactive devices to effect a semi-automatic mode of transfer of a subset of the descriptive information, and wherein the system is configured to identify the subset based on data interactively received at the graphical user interface.

16. (previously amended) The computer system of claim 15 wherein the descriptive information comprises a dimension or a constraint.

17. (currently amended) The computer system of claim 15 wherein the descriptive information is added to the ~~two-dimensional view~~two-dimensional drawing semi-automatically responsive to the expiration of a predetermined time-out period without an intervening user action.

18. (currently amended) A computer program residing on a computer-readable medium, the program comprising instructions for causing a computer to:

form a ~~two-dimensional view~~two-dimensional drawing of a three dimensional computer defined graphical model of a real-world object;

based on the three-dimensional model, automatically generating descriptive information associated with a component of the ~~two-dimensional view~~two-dimensional drawing;

form a user interface for interactively controlling the addition of the descriptive information to the ~~two-dimensional view~~two-dimensional drawing;

add a selected subset of the descriptive information to the ~~two-dimensional view~~two-dimensional drawing, the program being configured to select the subset based on user input data interactively entered at the user interface; and

configure the added subset of descriptive information for display as graphical elements of

the ~~two-dimensional view~~two-dimensional drawing.

19. (currently amended) A method of interacting with a CAD/CAM system to add descriptive information to a ~~two-dimensional view~~two-dimensional drawing of a three dimensional model, the method comprising:
- launching an application which includes a command to add descriptive information in a semi-automatic mode;
- extracting descriptive information from a three dimensional model of a real-world object;
- automatically generating the descriptive information on the ~~two-dimensional view~~two-dimensional drawing based on the three dimensional model; and
- interactively modifying the generated descriptive information based on input data received from a user;
- wherein the descriptive information generated on the ~~two-dimensional view~~two-dimensional drawing is configured for display as graphical elements of the ~~two-dimensional view~~two-dimensional drawing.
20. (previously amended) The method of claim 19 additionally comprising the step of storing the modified descriptive information.
21. (currently amended) A method of interacting with a computer so as to add descriptive information to a ~~two-dimensional view~~two-dimensional drawing of a ~~three~~three-dimensional model of a real-world object, the method comprising:
- launching an application which includes a command to add descriptive information to a three-dimensional model of a real-world object in a semi-automatic mode;
- defining a timeout period;
- extracting descriptive information from the ~~three~~three-dimensional model;
- generating the descriptive information on the ~~two-dimensional view~~two-dimensional

drawing; and

pausing the extraction of descriptive information from the ~~three~~three-dimensional model;  
and modifying the generated descriptive information;

wherein the descriptive information generated on the ~~two-dimensional view~~two-  
dimensional drawing is configured for display as graphical elements of the ~~two~~  
~~dimensional view~~two-dimensional drawing..

22. (currently amended) A programmed computer for adding descriptive information to a  
~~two-dimensional view~~two-dimensional drawing of a ~~three~~three-dimensional model of a  
real-world object comprising:

a memory having at least one region for storing computer software code;

a processor operatively interconnected to the memory for executing software code stored  
in the memory, wherein the software code causes the computer to:

display a first user interactive interface for selecting specified descriptive information, a  
drawing and selected views of the drawing;

display a second user interactive interface for selecting between an automatic and semi-  
automatic mode of generating descriptive information;

display a third user interactive interface for selecting step-by-step processing or time-out  
processing of descriptive information;

generate descriptive information based on the three-dimensional model of the real-world  
object;

allow user modification of the descriptive information;

store modified descriptive information; and

add the descriptive information to the ~~two-dimensional view~~two-dimensional drawing;

wherein the descriptive information added to the ~~two-dimensional view~~two-dimensional  
drawing is configured for display as graphical elements of the ~~two-dimensional~~

~~view~~two-dimensional drawing.

23. (Previously amended) The programmed computer of claim 22 wherein the software code additionally causes the computer to:

display a fourth user interactive interface with a user interactive device for entering a time-out period; and

an interactive user device for pausing the generation of drawing data, whereby a user can modify the descriptive information during the pause.